

# **Natural Gas Monthly**

## **April 2001**

**Energy Information Administration**  
Office of Oil and Gas  
U.S. Department of Energy  
Washington, DC 20585

**This report is available on the WEB at:**

**[Http://www.eia.doe.gov/oil\\_gas/natural\\_gas/data\\_publications/natural\\_gas\\_monthly/ngm.html](http://www.eia.doe.gov/oil_gas/natural_gas/data_publications/natural_gas_monthly/ngm.html)**

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

## Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
<b>Publications</b>		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<b><u>Databases</u></b>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<b><u>Applications</u></b>		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

# Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

# Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

# Contents

<b>Highlights</b> .....	1
-------------------------	---

## **Appendices**

A. Explanatory Notes .....	77
B. Data Sources .....	83
C. Statistical Considerations .....	89
D. Articles, Special Focuses and Special Reports .....	95
E. Technical Contacts .....	97
<b>Glossary</b> .....	99

## **Tables**

1. Summary of Natural Gas Production in the United States, 1995-2001 .....	9
2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001 .....	10
3. Natural Gas Consumption in the United States, 1995-2001 .....	12
4. Selected National Average Natural Gas Prices, 1995-2001 .....	14
5. U.S. Natural Gas Imports, by Country, 1995-2001 .....	16
6. U.S. Natural Gas Exports, by Country, 1995-2001 .....	17
7. Marketed Production of Natural Gas, by State, 1994-2000 .....	18
8. Gross Withdrawals and Marketed Production of Natural Gas by State, December 2000 .....	22
9. Underground Natural Gas Storage - All Operators, 1995-2001 .....	23
10. Underground Natural Gas Storage - by Season, 1998-2001 .....	25
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001 .....	26
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001 .....	27
13. Net Withdrawals from Underground Storage, by State, 1999-2001 .....	28
14. Activities of Underground Natural Gas Storage Operators, by State, February 2001 .....	32
15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001 .....	33
16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001 .....	37

17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001.....	41
18. Natural Gas Deliveries to Electric Utility Consumers, by State, 1999-2001.....	45
19. Natural Gas Deliveries to All Consumers, by State, 1999-2001.....	47
20. Average City Gate Price, by State, 1999-2001.....	53
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001.....	56
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001 .....	59
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001 .....	62
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1999-2000.....	65
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001.....	68
26. Gas Home Customer-Weighted Heating Degree Days .....	75
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data.....	77
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, January 2001.....	94

## Figures

1. Production and Consumption of Natural Gas in the United States, 1998-2002 .....	11
2. Natural Gas Deliveries to Consumers in the United States, 1997-2001 .....	13
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1997-2001 .....	15
4. Average Price of Natural Gas in the United States, 1997-2001 .....	15
5. Working Gas in Underground Natural Gas Storage in the United States, 1998-2001 .....	24
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001 .....	74